

AUTOTEX BRUSHED

Product Data Sheet

Textured Hardcoat Polyester Film



DESCRIPTION

Autotex Brushed is a high quality textured hardcoated polyester* film, developed for applications requiring a combination of high abrasion resistance and flexibility such as embossed membrane switches. **Autotex Brushed** gives a long line brushed stainless steel look when printed with specialist metallic ink.

Autotex Brushed is available in sheets and rolls.



PRODUCT RANGE

Products	Finish	Gauge	
		150µm	200µm
Autotex Brushed with 0-series ink primer for solvent based screen printing inks	Brushed	B150L	B200L

PRIMER

On the second surface **Autotex Brushed** has our standard 0-series ink-receptive coating for solvent based screen printing inks. The primer has also been used successfully with some digital UV inkjet printers. Please contact MacDermid Autotype for more information.

LAMINATE

MacDermid Autotype supply the **Autotex Brushed** film range with a protective laminate on the ink primer surface and recommend that the laminate remains in place until the first ink print pass.



WINDOWS

Autotex Brushed can be screen printed with Windotex windowing lacquers to obtain a clear window. The cosmetic quality of the printed window can be affected by the brushed finish, i.e. where there are deep lines in the texture these may be seen in a printed window. Special printing guidelines are available in the Windotex Processing and Safety Recommendations.

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	45% ±5%	ASTM D1003
Tot. luminous transmission ¹	92% ±2%	ASTM D1003
Gloss level (60°) ¹ with the grain (MD) against the grain (TD)	25-30 8-10	ASTM D2457 (Modified to test method 022)
Yellowness index ³	<3	ASTM E313
Switch life ¹	>5 million actuations	Test method 003
Hardcoat adhesion ³	Pass	Test method 080
Tensile strength at break ²	172 N/mm ²	ASTM D882
Breakdown voltage ² 150 μ 200 μ	16 kV 18 kV	ASTM D149
Dimensional stability ³	0.2% maximum shrinkage MD at 120°C	Test method 094
Thickness all grades ¹	Nominal ±10%	Test method 096
Max processing temp.	120°C	-
Maximum use temperature ¹	Low humidity (<10%RH) 85°C High humidity (10-95%RH) <60°C	Test method 012
Minimum use temperature ¹	-40°C (-40°F)	Test method 012
Chemical resistance	Excellent resistance to many common industrial solvents and household chemicals - please refer to Autotex Solvent Resistance Data Sheet	

¹ For details of test method, please contact MacDermid Autotype

² Data derived from base film manufacturer's literature. The coating slightly enhances most properties

³ Specification value

* The term polyester is the generic term for a number of different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Autotype High Performance Film Systems polyester film products.

Note – performance characteristics may be subject to change



CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype

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